

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR2004/050759

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H02N1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>AKSYUK V A ET AL: "Optically-powered optical power limiter for use in lightwave networks"</p> <p>MICRO ELECTRO MECHANICAL SYSTEMS, 1999.</p> <p>MEMS '99. TWELFTH IEEE INTERNATIONAL CONFERENCE ON ORLANDO, FL, USA 17-21 JAN. 1999, PISCATAWAY, NJ, USA, IEEE, US, 17 January 1999 (1999-01-17), pages 344-348, XP010321679</p> <p>ISBN: 0-7803-5194-0</p> <p>page 346, column 2, line 37 - page 347, column 1, line 18</p> <p>-----</p> <p>-/--</p>	<p>1-3,6,</p> <p>11,12,17</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the International filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

6 May 2005

Date of mailing of the international search report

13/05/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BIFANO T G ET AL: "CONTINUOUS-MEMBRANE SURFACE-MICROMACHINED SILICON DEFORMABLE MIRROR"</p> <p>OPTICAL ENGINEERING, SOC. OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS. BELLINGHAM, US, vol. 36, no. 5, 1 May 1997 (1997-05-01), pages 1354-1359, XP000692365</p> <p>ISSN: 0091-3286</p> <p>page 1354, column 2, line 24 - page 1355, column 1, line 12; figure 2</p> <p>-----</p>	1-6,8, 11,12, 15-17
A	<p>KRISHNAMOORTHY MALI R ET AL: "DEVELOPMENT OF MICROELECTROMECHANICAL DEFORMABLE MIRRORS FOR PHASEMODULATION OF LIGHT"</p> <p>OPTICAL ENGINEERING, SOC. OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS. BELLINGHAM, US, vol. 36, no. 2, 1 February 1997 (1997-02-01), pages 542-548, XP000686879</p> <p>ISSN: 0091-3286</p> <p>page 542, column 1, line 26 - column 2, line 14; figures 1,4</p> <p>page 544, column 2, line 19 - line 36</p> <p>-----</p>	1-6,8, 11,12, 15-17
A	<p>VAN DER WIJNGAART W ET AL: "A high-stroke, high-pressure electrostatic actuator for valve applications"</p> <p>SENSORS AND ACTUATORS A, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 100, no. 2-3, 1 September 2002 (2002-09-01), pages 264-271, XP004374984</p> <p>ISSN: 0924-4247</p> <p>page 264 - page 265; figures 2,4,8,11</p> <p>-----</p>	1,12
A	<p>US 2002/171327 A1 (MILLER SAMUEL LEE ET AL) 21 November 2002 (2002-11-21) paragraph '0110!; figures 13a,13b</p> <p>-----</p>	1,12
A	<p>ZHOU T ET AL: "MEMS-based 14&amp;emsp14;GHz resolution dynamic optical filter"</p> <p>ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 39, no. 24, 27 November 2003 (2003-11-27), pages 1744-1746, XP006024469</p> <p>ISSN: 0013-5194</p> <p>page 1744, column 1, line 16 - column 2, line 19; figure 2</p> <p>-----</p>	1,12

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/FR2004/050759

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002171327 A1	21-11-2002	US 2001048265 A1	06-12-2001
		AU 7289801 A	23-10-2001
		WO 0177001 A2	18-10-2001
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